

IN THE CLAIMS

Please amend the claims as follows:

1-11. (Canceled)

12. (Currently Amended) An infrared heating apparatus for surface heating, the apparatus comprising infrared heating modules, each infrared heating module adapted to produce a wavelength of at least 800 nm, and each infrared heating module revolves on at least two Cartesian coordinate axes and each infrared heating module contains one or more infrared heaters, the infrared heaters supply line-of-sight radiative heat and the major dimension of any infrared heater defines an x-axis, and,

each infrared heating module is joined to at least one rotation swivel point such that a 360 degree rotation on an axis normal to x-axis and a 180 degree rotation on the x-axis is allowed, and each infrared heating module is attached to at least two swivel points and where at least one swivel point for a 360 degree rotation lies on a non-radiation side of the infrared heating module.

13. (Previously Presented) The apparatus of claim 12 with an adjustable frame comprising at least two or more orthogonal swivel points.

14. (Previously Presented) The apparatus of claim 12, wherein the apparatus is a die heater.

15. (Currently Amended) The apparatus of claim 12, wherein the apparatus is a paper dryer ~~dryer~~.

16. (Previously Presented) The apparatus of claim 12, wherein the apparatus is a paint remover.

17. (Currently Amended) The apparatus of claim 12, wherein the apparatus is used with ~~further comprises a means to introduce~~ a convective heating generator.

18. (Currently Amended) The apparatus of claim 12, wherein the apparatus is used with
~~further comprises a means to introduce~~ a convective ionized gas to the apparatus.
19. (Currently Amended) An apparatus, comprising:
multiple radiative heaters; and
an adjustable frame;
the adjustable frame being expandable and contractible in one direction in one
plane parallel to the radiative heaters, each radiative heater attached to the frame, each
radiative heater configured to individually swivel in multiple directions while remaining
attached to the frame, and the heaters combined with the frame are adjustable as a unit to
provide complete radiative heating in a three dimensional space and each radiative heater
individually removable from the adjustable frame.
20. (Previously Presented) The apparatus of claim 19, wherein each heater is a 2 kilowatt
infrared heater.
21. (Currently Amended) The apparatus of claim 20, wherein the infrared heaters ~~multiple
radiative heaters~~ are arranged and affixed in two rows of five on the front of the frame
and two more rows of five on the back of the frame.
22. (Previously Presented) The apparatus of claim 19, wherein some of the heaters are
attached to a rear of the frame and other ones of the heaters are attached to a front of the
frame.
23. (Previously Presented) The apparatus of claim 19, wherein each heater is individually
attached to the frame via a clamping mechanism allowing bilateral adjustment of each
heater.

24. (Previously Presented) The apparatus of claim 19, wherein each heater is selectively and individually removable from the frame to provide different configurations of the apparatus.
25. (Currently Amended) A method to apply radiative heat, comprising:
positioning of an infrared heating apparatus for surface heating, the apparatus having infrared heating modules, each infrared heating module including one or more infrared heaters, each infrared heating module having one or more short or medium wave infrared bulbs with integral reflectors, a major dimension of any given infrared heater defines an x-axis, and each infrared heating module is joined to at least one rotation point providing a 360 degree rotation on an axis normal to the x-axis and a 180 degree rotation on the x-axis is achievable, each infrared heating module is attached to at least two swivel points and at least one swivel point for a particular 360 degree of rotation lies on a non-radiation side of a given infrared heating module; and
supplying line-of-sight radiative heat via selective ones of the infrared heating modules configured via the apparatus to be directed at a given surface.
26. (Previously Presented) The method of claim 25, wherein the given surface includes one or more dies that are being heated.
27. (Previously Presented) The method of claim 25, wherein the given surface includes paint that is being removed.
28. (Previously Presented) The method of claim 25, wherein the given surface includes paper that is being dried.
29. (NEW) An apparatus, comprising:
an infrared heating module adaptively connected to a frame having additional infrared heating modules, the infrared heating module adapted to be removed from the frame, and the infrared heating module having at least one short or medium wave infrared bulb, wherein the

frame, the infrared heating module and the additional infrared heating modules adapted to adjust as a unit to provide at least 180 degrees of heating for a surface.

30. (NEW) The apparatus of claim 29, wherein the infrared heating module is adaptively connected to a first side of the frame along with some of the additional heating modules and remaining ones of the additional heating modules adaptively connected to a second side of the frame.

31. (NEW) The apparatus of claim 29, wherein the infrared heating module is adapted to rotate to multiple positions while affixed to the frame.